



PTO/SB/08A (07-05)

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Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/616,615
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	July 9, 2003
		First Named Inventor	Liwei Ren
		Art Unit	2171-2166
		Examiner Name	Navneet Ahluwalia
		Attorney Docket Number	DOGO.P012
Sheet 1	of 3		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
NKA		US- 6052531	04-2000	WALDIN	
		US- 6269456	07-2001	HODGES	
		US- 6349311	02-2002	SOBEL	
		US- 6470329	10-2002	LIVSCHITZ	
		US- 6526574	02-2003	JONES	
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		US- 6401239	06-2002	MIRON	
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NKA		US- 20040220980	11-2004	FORSTER	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	Navneet R Ahluwalia	Date Considered	6/18/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 3

Complete if Known

Application Number	10/616,615
Filing Date	July 9, 2003
First Named Inventor	Liwei Ren
Art Unit	2174 2166
Examiner Name	Naveet Ahluwalia
Attorney Docket Number	DOGO.P012

U. S. PATENT DOCUMENTS

[illegible]

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Examiner Signature	Naveet R Khurwala	Date Considered	01/18/2006
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		Application Number	10/616,615
		Filing Date	July 9, 2003
		First Named Inventor	Liwei Ren
		Art Unit	2471 2166
		Examiner Name	Narveet K Ahluwalia
Sheet 3 of 3	Attorney Docket Number	DOGO.P012	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
NKA		TICHY, Walter F., "The string-to-string correction problem with block moves", ACM Transaction on Computer Systems, Vol. 2, No. 4, Nov. 1984, pp. 309-321.	
		AJTAI, Miklos et al., "Compactly encoding unstructured inputs with differential compression", IBM Almaden Research Center, 44 pages.	
		BURNS, Randal C. et al., "In-place reconstruction of delta compressed files", IBM Almaden Research Center, 9 pages.	
		BURNS, Randal et al., "In-place reconstruction of version differences", IBM Almaden Research Center, 25 pages.	
NKA		LIV, Jacob et al., "A universal algorithm for sequential data compression", IEEE Transactions on Information Theory, Vol. IT-23, No. 3, May 1977.	

Examiner Signature	Narveet K Ahluwalia	Date Considered	01/18/2006
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	File differencing and updating engines																																																																																														
<p>Application Number: 10/616615</p> <p>Confirmation Number: 3359</p> <p>First Named Applicant: Liwei Ren</p> <p>Attorney Docket Number: DOGO.P012</p> <p>Art Unit: 2171</p> <p>Search string: (6374250 or 6327671 or 5832520 or 5479654 or 6088694 or 6694336 or 5742905 or 6167258 or 20020099726 or 20030212712 or 20040111427 or 20020129107 or 20040062130 or 20040098427 or 20040098421 or 20040098420 or 20040098413 or 20040098361 or 20040092255).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>NRA</td><td>1</td><td>6374250</td><td>2002-04-01</td><td>Ajtai</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>6327671</td><td>2001-12-01</td><td>Menon</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5832520</td><td>1998-11-01</td><td>Miller</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5479654</td><td>1995-12-01</td><td>Squibb</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>6088694</td><td>2000-07-01</td><td>Burns</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>6694336</td><td>2004-02-01</td><td>Multer</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5742905</td><td>1998-04-01</td><td>Pepe</td><td></td><td></td><td></td></tr><tr><td>NRA</td><td>8</td><td>6167258</td><td>2000-12-01</td><td>Schmidt</td><td></td><td></td><td></td></tr></tbody></table> <p>US Published Applications</p> <p>Note: Applicant is not required to submit a paper copy of cited US Published Applications</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Pub. No.</th><th>Date</th><th>Applicant</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>NRA</td><td>1</td><td>20020099726</td><td>2002-07-01</td><td>Crudele</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	NRA	1	6374250	2002-04-01	Ajtai					2	6327671	2001-12-01	Menon					3	5832520	1998-11-01	Miller					4	5479654	1995-12-01	Squibb					5	6088694	2000-07-01	Burns					6	6694336	2004-02-01	Multer					7	5742905	1998-04-01	Pepe				NRA	8	6167258	2000-12-01	Schmidt				init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass	NRA	1	20020099726	2002-07-01	Crudele			
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2	20030212712	2003-11-01	Gu
3	20040111427	2004-06-01	Gu
4	20020129107	2002-09-01	Loughran
5	20040062130	2004-04-01	Chiang
6	20040098427	2004-05-01	Peng
7	20040098421	2004-05-01	Peng
8	20040098420	2004-05-01	Peng
9	20040098413	2004-05-01	Peng
10	20040098361	2004-05-01	Peng
11	20040092255	2004-05-01	Ji

Signature

Examiner Name	Date
Narveet K Ahluwalia	07/18/2006